

**AMENDMENTS TO THE SPECIFICATION:**

*Please amend paragraph [00051] beginning at page 10, line 19, and continuing to page 10, line 24, as follows:*

In the media access network 20, the Link Control (CC) and MAC configuration parameters are adapted to the physical layer speed and to the transport protocol (UDP/IP). Examples of such configuration parameters are the LC PDU size, MAC PDU size , TTI and TFS (Transport Format Set). These parameters are considered configuration data and are configured in the access network controller node (ANCN) 26 for every Access Bearer (AB ) type.

*Please amend paragraph [00054] beginning at page 11, line 7, and continuing to page 11, line 10, as follows:*

For each TTI the MAC entities choose a TFC from the TFCS and request[[s]] the relevant PDU's from LC buffers. The MAC then delivers PDUs from LC buffers, adding the MAC header and tagging a UDP/IP address. A new TFC may also be selected due to the traffic intensity from the CN.

*Please amend paragraph [00123] beginning at page 28, line 17, and continuing to page 28, line 26, as follows:*

In the MAC layer the logical channels from the Link Control (CC) layer are mapped to the transport channels MAC frames (e.g., to MAC PDUs). In the Layer 1 protocol the transport channels MAC frames are encapsulated either into UDP/IP packets or into AAL2/ATM packets. Fig. 9A shows a mapping between different layers for three different access bearers when the physical layer is an IP layer; Fig. 9B shows a mapping between different layers for three different access bearers when the physical layer is an AAL2/ATM layer. In Fig. 9A and Fig. 9B, the three different access bearers are illustrated in column format. For example, in Fig. 9A in the Link Control (CC) sublayer a first access bearer has RCL PDU 301<sub>LC-9A</sub>; a second access bearer has a RCL PDU 302<sub>LC-9A</sub>; and, a third access bearer has RCL PDU 303<sub>LC-9A</sub>[[:]].

*Please amend paragraph [000125] beginning at page 29, line 3, and continuing to page 29, line 9, as follows:*

For example, ~~Every~~every access bearer (AB) or MAC frame has two UDP/IP addresses in case of IP transport protocol, i.e., one UDP/IP address for the stationary equipment unit (SEU) 22 and one UDP/IP address for access network controller node (ANCN) 26. Similarly, every access bearer (AB) or MAC frame has two AAL2 CIDs (connection identifiers) in the case of AAL2 transport: one CID toward the stationary equipment unit (SEU) 22 and one CID toward the access network controller node (ANCN) 26.